National Institute of Standards and Technology

NVLAP®

National Voluntary Laboratory Accreditation Program

ISO/IEC GUIDE 25:1990
ANSI/NCSL Z540-1-1994
ISO 9002:1987

Scope of Accreditation

CALIBRATION LABORATORIES **NVLAP LAB CODE 200370-0**

MDS NORDION DOSIMETRY LABORATORY
447 March Road
Kanata Ontario K2K 1X8
Canada
Mr. David Sidney
Phone: 613-592-3400 x2242 Fax: 613-592-2006

IONIZING RADIATION DOSIMETRY

NVLAP Code: 20/I02
High-Dose Dosimetry

Evaluation of Transfer-standard and Reference-standard Dosimeters for Production Irradiators

Range	*Best Uncertainty (±)*[note 1]	*Remarks*
.5 to 50 kGy	4.0 %	Results reported as absorbed dose.

Evaluation of Transfer-standard and Reference-standard Dosimeters for Research Irradiators

Range	*Best Uncertainty (±)*[note 1]	*Remarks*
20 to 400 Gy	2.0 %	Results reported as absorbed dose or absorbed-dose rate.

March 31, 2001

Effective through

David F. Alderman

For the National Institute of Standards and Technology

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Irradiation of Dosimeters for Known Absorbed-dose Levels

Range	*Best Uncertainty (±)*[note 1]	*Remarks*
Specified by the needs of the customer.	2.3 %	Results reported as absorbed-dose values or may be analyzed for dosimeter response and reported as a calibration curve.

Calibration of Routine Dosimeters using Reference-standard or Transfer-standard Dosimeters

Range	*Best Uncertainty (±)*[note 1]	*Remarks*
0.5 to 50 kGy	4.0 %	Results reported as absorbed-dose values or may be analyzed for dosimeter response and reported as a calibration curve.

1. Represents an expanded uncertainty using a coverage factor, k=2.

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